

Abstracts

A Non-Linear Design and Optimization Procedure for GaAs MESFET Oscillators

T.J. Brazil and J.O. Scanlan. "A Non-Linear Design and Optimization Procedure for GaAs MESFET Oscillators." 1987 MTT-S International Microwave Symposium Digest 87.2 (1987 Vol. II [MWSYM]): 907-910.

An approximate but successful non-linear design/ optimisation procedure is described for a GaAs MESFET oscillator, based on initial availability of an appropriate device model and a large-signal simulation analysis tool. A number of variations of the design procedure are compared, and each is checked against a full self-consistent solution for the optimized oscillator.

[Return to main document.](#)